47174, A Novel Human Glycosyltransferase and
Uses Thereof

Abstract

The invention provides isolated nucleic acids molecules, designated 47174 nucleic acid molecules, which encode novel glycosyltransferase family members. The invention also provides antisense nucleic acid molecules, recombinant expression vectors containing 47174 nucleic acid molecules, host cells into which the expression vectors have been introduced, and nonhuman transgenic animals in which a 47174 gene has been introduced or disrupted. The invention still further provides isolated 47174 proteins, fusion proteins, antigenic peptides and anti-47174 antibodies. Diagnostic methods utilizing compositions of the invention are also provided. The invention also provides methods of modulating pain or pain related disorders utilizing the compositions of the invention. Accordingly, methods of treating, preventing and/or diagnosing neurological disorders are disclosed.

20325246.doc